

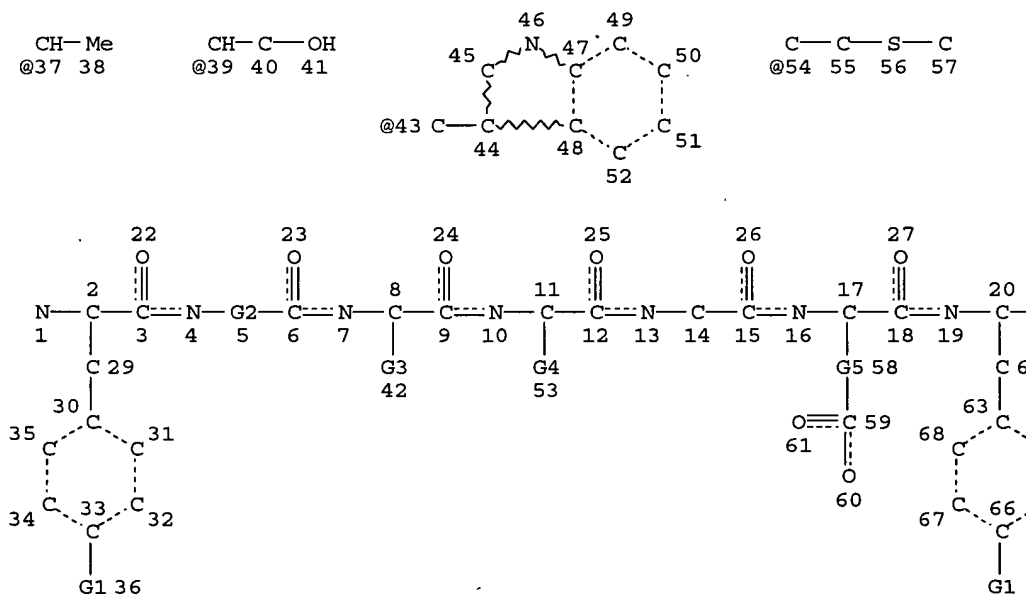
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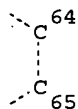
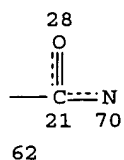
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DICTIONARY FILE UPDATES:  31 OCT 2006    HIGHEST RN 911785-87-0
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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

L6 STR





69

Page 1-B

VAR G1=OH/H

VAR G2=37/39/CH2

VAR G3=I-PR/S-BU/43

VAR G4=54/I-BU

REP G5=(1-2) C

NODE ATTRIBUTES:

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DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 70

STEREO ATTRIBUTES: NONE

L8 3 SEA FILE=REGISTRY SSS FUL L6

100.0% PROCESSED 426778 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.08

=&gt; b hcap

FILE 'HCAPLUS' ENTERED AT 10:08:48 ON 01 NOV 2006

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FILE COVERS 1907 - 1 Nov 2006 VOL 145 ISS 19

FILE LAST UPDATED: 30 Oct 2006 (20061030/ED)

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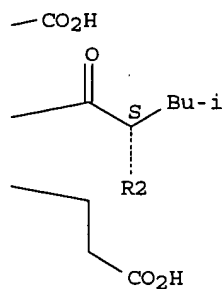
This file contains CAS Registry Numbers for easy and accurate substance identification.

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AN 2006:37148 HCAPLUS
DN 144:121788
TI Methods and vaccinia virus A52R protein-derived peptides for regulating
cellular activity
IN Hefeneider, Steven H.; McCoy, Sharon L.
PA USA
SO U.S. Pat. Appl. Publ., 40 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
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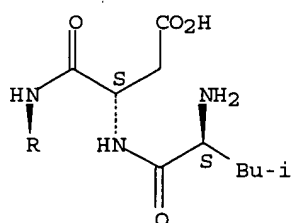
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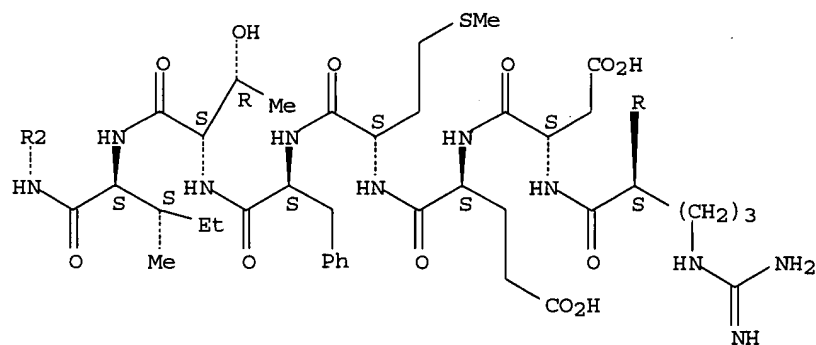
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PAGE 2-A



PAGE 3-A.

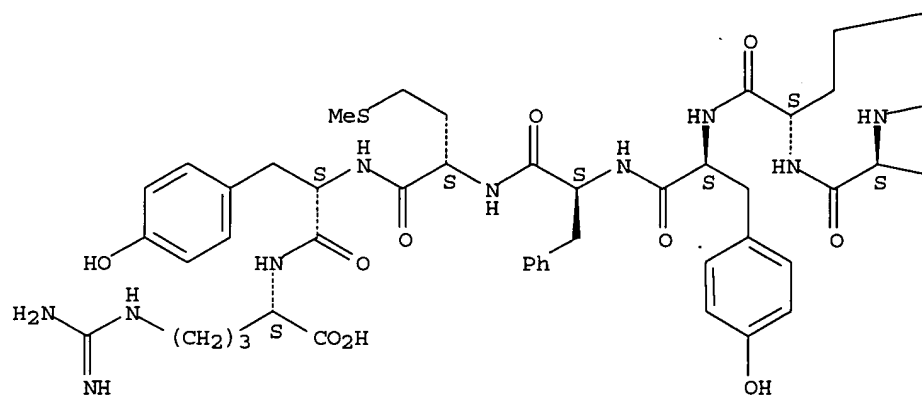


RN 873191-83-4 HCAPLUS

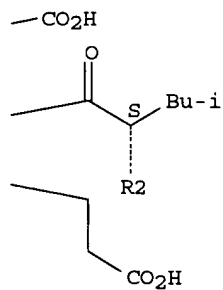
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Absolute stereochemistry.

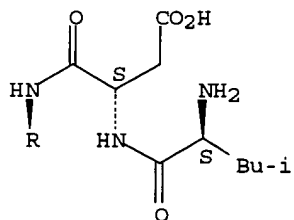
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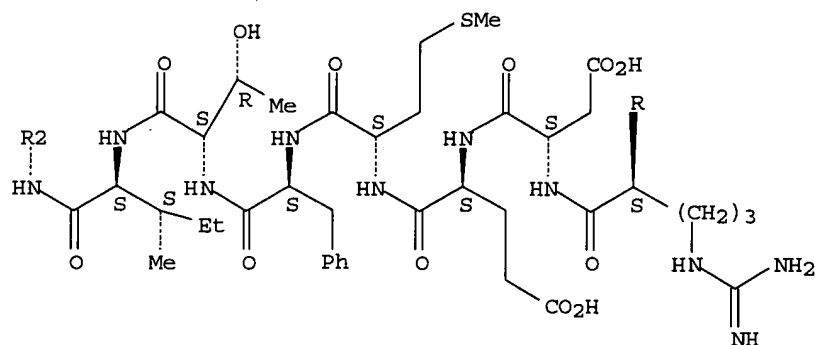
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PAGE 2-A



PAGE 3-A

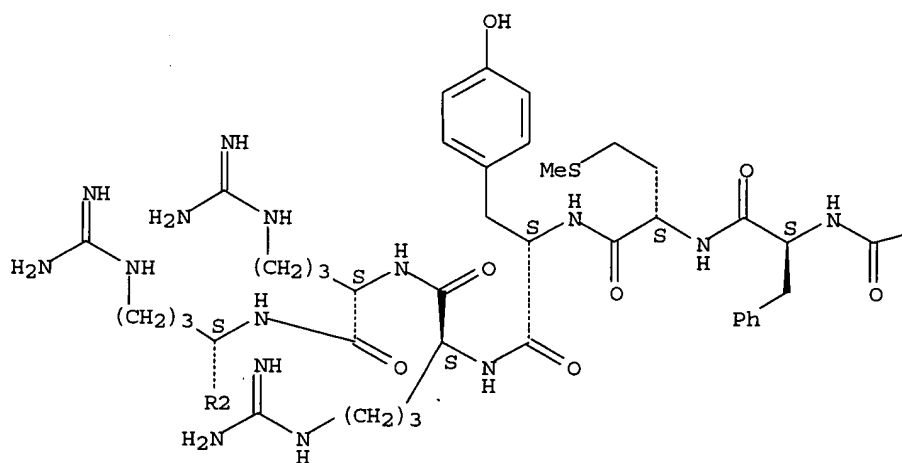


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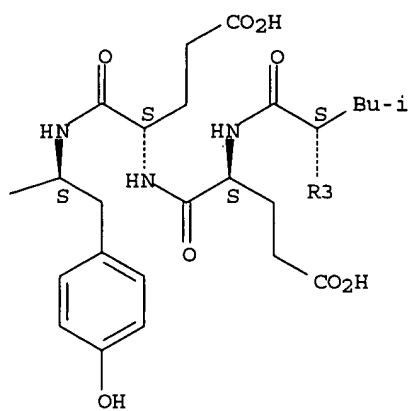
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Absolute stereochemistry.

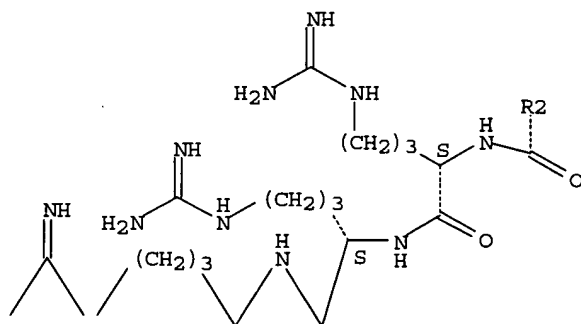
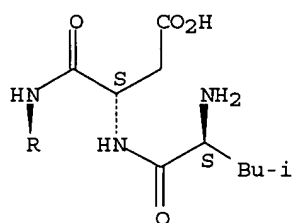
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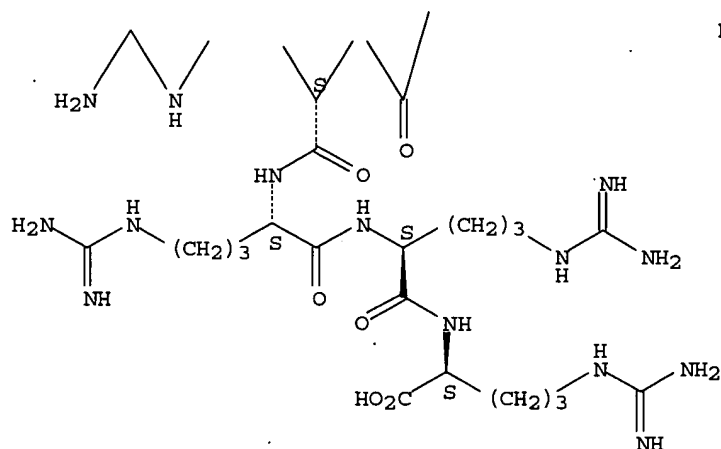
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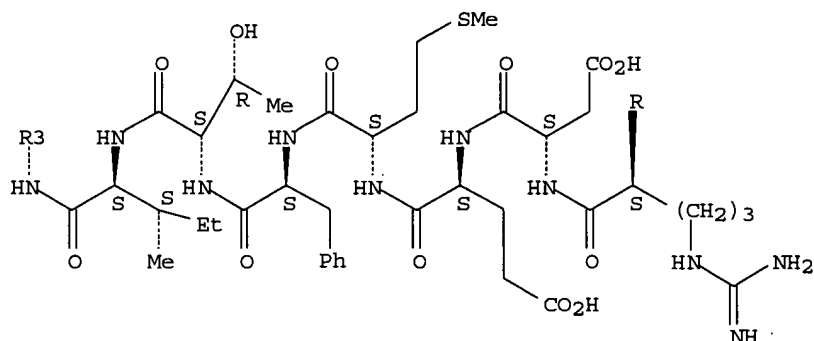
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PAGE 3-A



PAGE 4-A



L11 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:575099 HCAPLUS

DN 137:137275

TI Differential labeling for quantitative analysis of complex protein mixtures

IN Haynes, Paul; Wei, Jing; Yates, John; Andon, Nancy

PA Syngenta Participations AG, USA

SO PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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PI	WO2002059144	A2	20020801	2002WO-US02487	20020125
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US2003082522 A1 20030501 2002US-0057789 20020125  
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 US2003087329 A1 20030508 2002US-0212628 20020801  
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PRAI 2001US-264576P P 20010126  
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 2002US-0057789 A1 20020125  
 2002US-0212628 A 20020801  
 2003WO-IB03863 W 20030728

OS MARPAT 137:137275

AB The invention concerns a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic anal., a process for preparing fusion proteins, and compds. and reagents related thereto. This invention provides methods and reagents that can be employed in proteome anal. which overcome the limitations inherent in traditional techniques The basic approach described can be employed for the quant. anal. of protein expression in complex samples (such as cells, tissues, and fractions thereof), the detection and quantitation of specific proteins in complex samples, and the quant. measurement of specific enzymic activities in complex samples. We have designed trifunctional synthetic peptide based reagents that can be used for reducing the complexity of peptide mixts. by labeling peptides with iodoacetamido groups and then selectively enriching only those peptides containing labeled cysteine residues. Embodiments of this invention provide anal. reagents and mass spectrometry-based methods using these reagents for the rapid and quant. anal. of proteins or protein function in mixts. of proteins. The anal. method can be used for qual. and particularly for quant. anal. of global protein expression profiles in cells and tissues, i.e., the quant. anal. of proteomes.

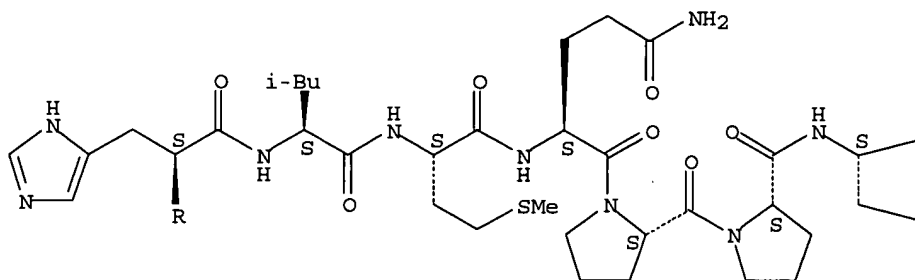
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 RL: PRP (Properties)  
 (unclaimed sequence; differential labeling for quant. anal. of complex protein mixts.)

RN 444877-04-7 HCAPLUS

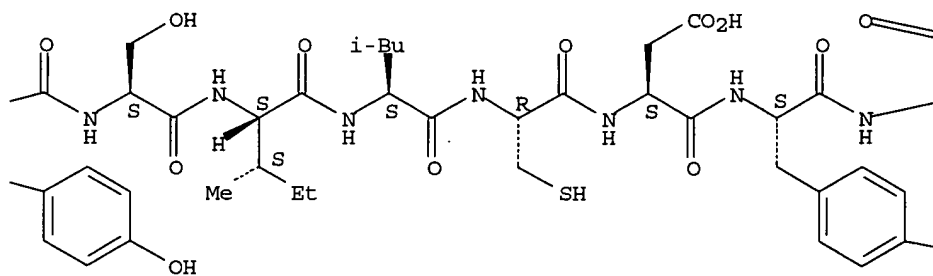
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Absolute stereochemistry.

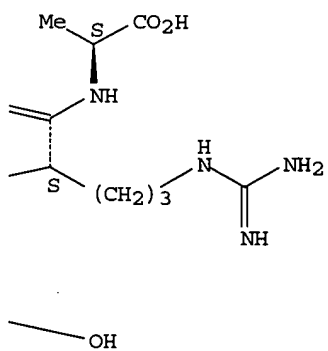
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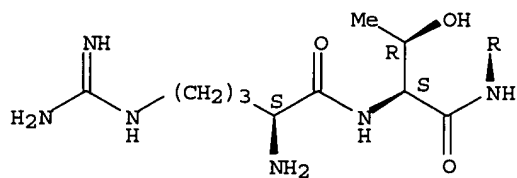
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FILE 'USPAT2' ENTERED AT 10:09:10 ON 01 NOV 2006  
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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L13 ANSWER 1 OF 4 USPATFULL on STN

AN 2006:10539 USPATFULL  
TI Method and peptide for regulating cellular activity  
IN Hefeneider, Steven H., Portland, OR, UNITED STATES  
McCoy, Sharon L., Portland, OR, UNITED STATES  
PI US2006009391 A1 20060112  
AI 2005US-0178316 A1 20050712 (11)  
PRAI 2004US-586701P 20040712 (60)  
DT Utility  
FS APPLICATION  
LREP DINESH AGARWAL, P.C., 5350 SHAWNEE ROAD, SUITE 330, ALEXANDRIA, VA,  
22312, US  
CLMN Number of Claims: 69  
ECL Exemplary Claim: 1  
DRWN 22 Drawing Page(s)  
LN.CNT 1349

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and peptide for regulating cellular activity includes a panel of synthesized peptides that have biological effects on inhibiting or enhancing cellular activity. Selected peptides can be used as therapy to reduce and/or inhibit, or initiate and/or enhance, an inflammatory response in a subject.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

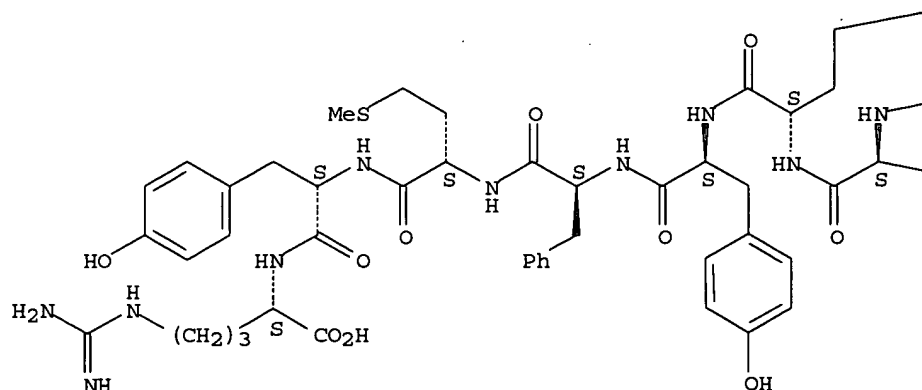
IT 873191-83-4DP, derivs. 873191-83-4P  
873192-00-8P  
(vaccinia virus A52R protein-derived peptides for regulating cellular activity)

RN 873191-83-4 USPATFULL

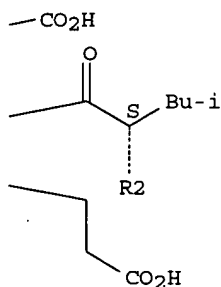
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Absolute stereochemistry.

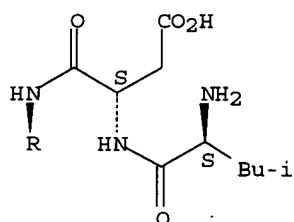
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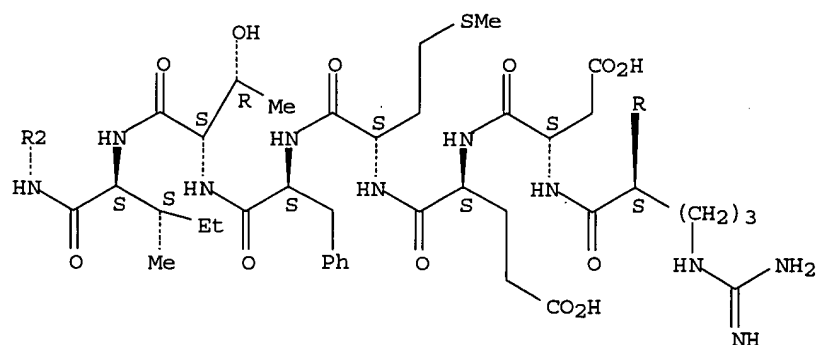
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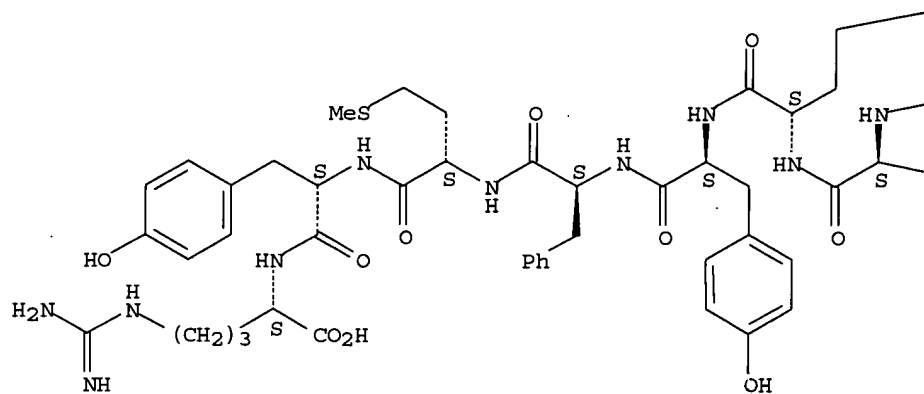


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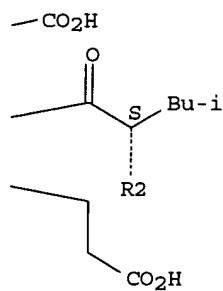
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Absolute stereochemistry.

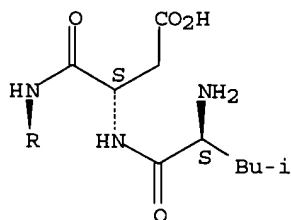
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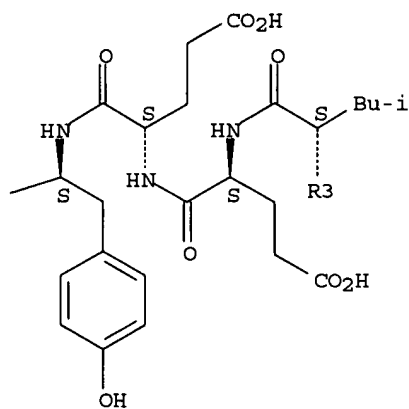


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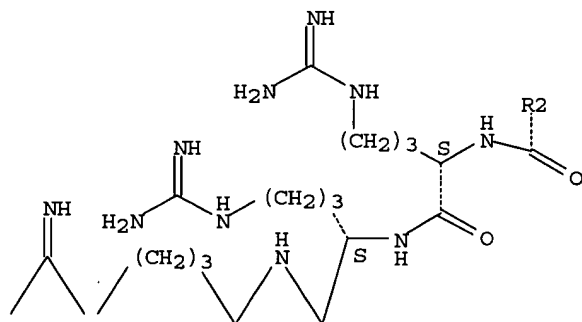
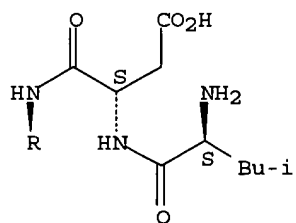




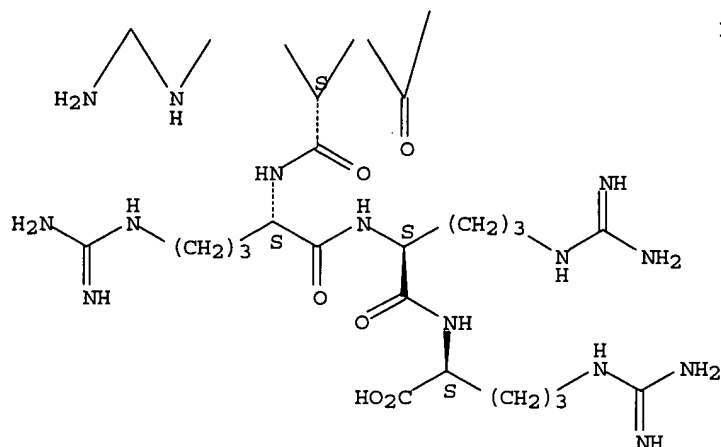
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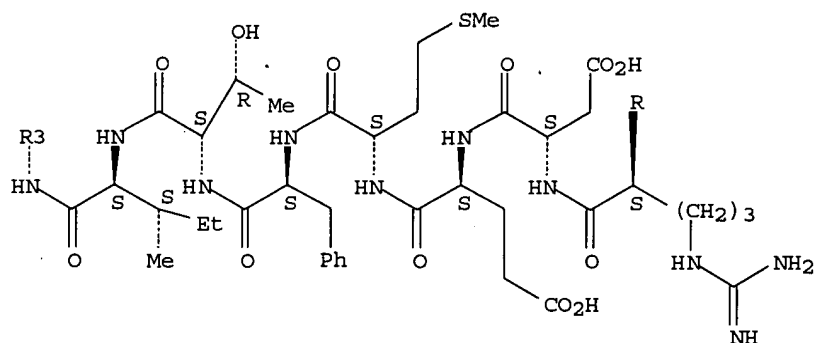
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PAGE 4-A



L13 ANSWER 2 OF 4 USPATFULL on STN  
 AN 2003:127116 USPATFULL  
 TI Differential labeling for quantitative analysis of complex protein mixtures  
 IN Haynes, Paul, Encinitas, CA, UNITED STATES  
 Wei, Jing, San Diego, CA, UNITED STATES  
 Yates, John, San Diego, CA, UNITED STATES  
 Andon, Nancy, Cardiff-By-The-Sea, CA, UNITED STATES  
 PI US2003087329 A1 20030508  
 AI 2002US-0212628 A1 20020801 (10)  
 RLI Continuation of Ser. No. 2002US-0057789, filed on 25 Jan 2002, PENDING  
 PRAI 2001US-305232P 20010713 (60)  
 2001US-264576P 20010126 (60)  
 DT Utility  
 FS APPLICATION  
 LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614  
 CLMN Number of Claims: 23  
 ECL Exemplary Claim: 1  
 DRWN 9 Drawing Page(s)  
 LN.CNT 5022  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic analysis, a



process for preparing fusion proteins, and compounds and reagents related thereto.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 444877-04-7

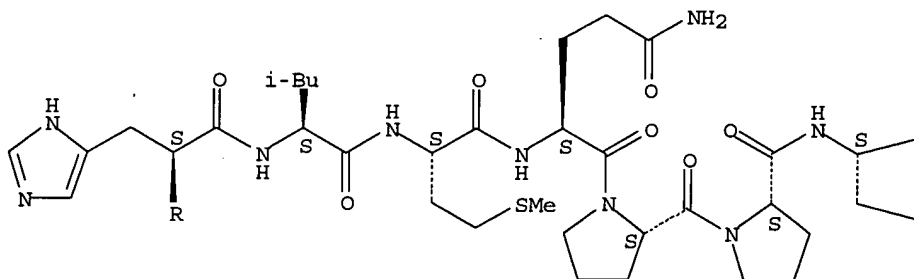
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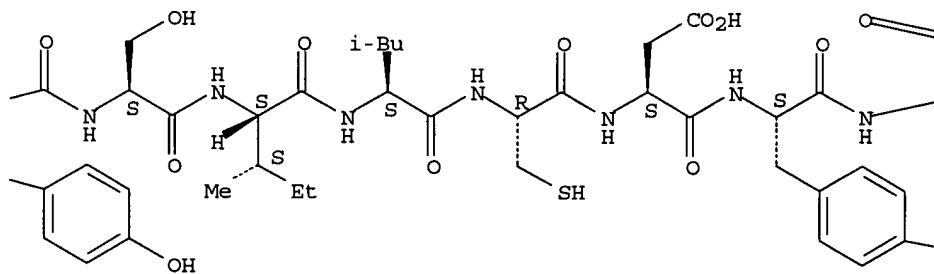
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Absolute stereochemistry.

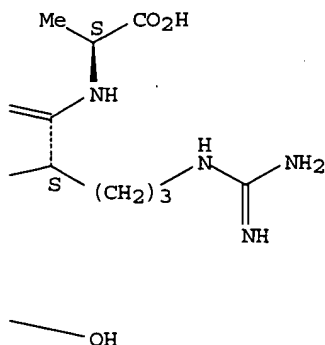
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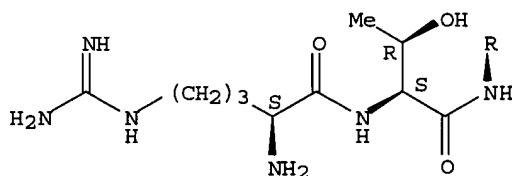
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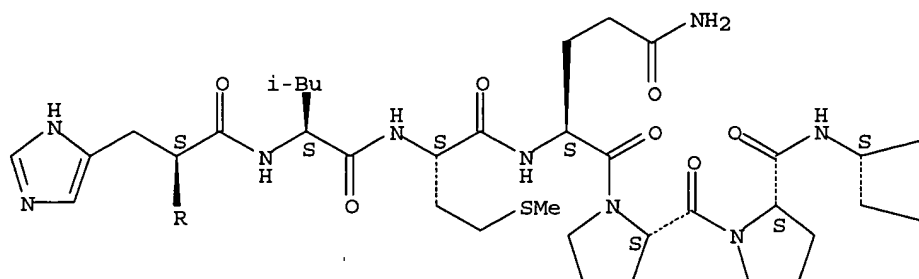


L13 ANSWER 3 OF 4 USPATFULL on STN  
 AN 2003:120039 USPATFULL  
 TI Differential labeling for quantitative analysis of complex protein mixtures  
 IN Haynes, Paul, Encinitas, CA, UNITED STATES  
 Wei, Jing, San Diego, CA, UNITED STATES  
 Yates, John, San Diego, CA, UNITED STATES  
 Andon, Nancy, Cardiff-By-The-Sea, CA, UNITED STATES  
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 DT Utility  
 FS APPLICATION  
 LREP KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 91614  
 CLMN Number of Claims: 20  
 ECL Exemplary Claim: 1  
 DRWN 9 Drawing Page(s)  
 LN.CNT 2848  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic analysis, a process for preparing fusion proteins, and compounds and reagents related thereto.  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
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 (unclaimed sequence; differential labeling for quant. anal. of complex protein mixts.)  
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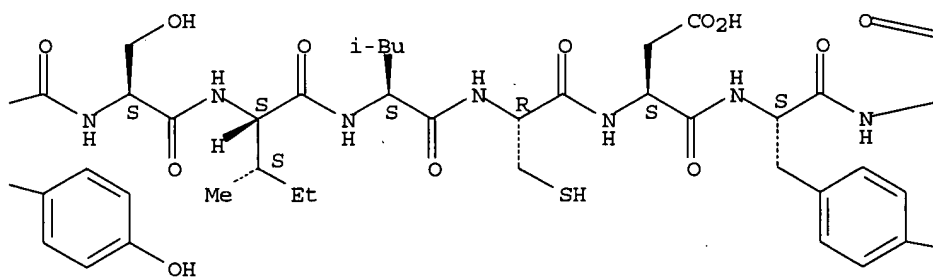
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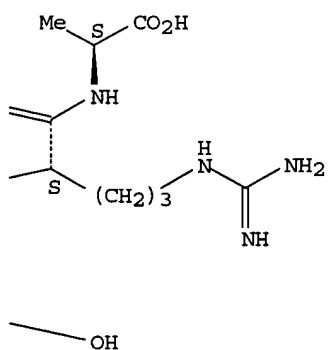
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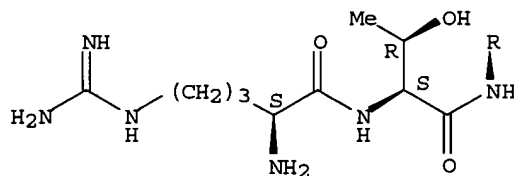
PAGE 1-B



PAGE 1-C

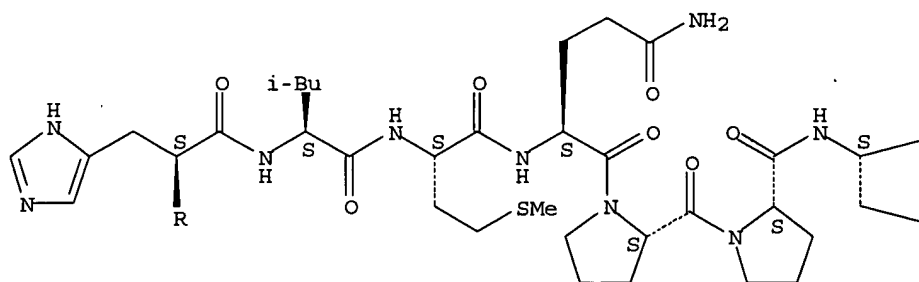


PAGE 2-A

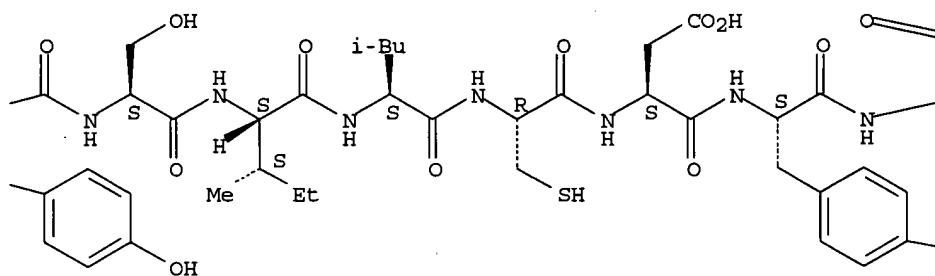


L13 ANSWER 4 OF 4 USPAT2 on STN  
 AN 2003:120039 USPAT2  
 TI Differential labeling for quantitative analysis of complex protein mixtures  
 IN Haynes, Paul, Encinitas, CA, UNITED STATES  
 Wei, Jing, San Diego, CA, UNITED STATES  
 Yates, John, San Diego, CA, UNITED STATES  
 Andon, Nancy, Cardiff-By-The-Sea, CA, UNITED STATES  
 PA Syngenta Participations AG, Basel, SWITZERLAND (non-U.S. corporation)  
 PI US---6969757 B2 20051129  
 AI 2002US-0057789 20020125 (10)  
 PRAI 2001US-305232P 20010713 (60)  
 2001US-264576P 20010126 (60)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Russel, Jeffrey Edwin  
 LREP Jenkins, Wilson & Taylor, P.A.  
 CLMN Number of Claims: 2  
 ECL Exemplary Claim: 1  
 DRWN 14 Drawing Figure(s); 9 Drawing Page(s)  
 LN.CNT 4304  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to a method of simultaneously identifying and determining the levels of expression of cysteine-containing proteins in normal and perturbed cells, a method for proteomic analysis, a process for preparing fusion proteins, and compounds of Formula II and III:  
  
 (II) Acyl-NH--X-[Epitope Tag Site].sub.A-Y-[Protease Cleavage Site]-Z-Link  
 (III) Acyl-NH--X-alk-O-Ph-CH.sub.2--Z-Link and reagents related thereto.  
  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 IT 444877-04-7  
 (unclaimed sequence; differential labeling for quant. anal. of complex protein mixts.)  
 RN 444877-04-7 USPAT2  
 CN L-Alanine, L-arginyl-L-threonyl-L-histidyl-L-leucyl-L-methionyl-L-glutaminy-L-prolyl-L-prolyl-L-tyrosyl-L-seryl-L-isoleucyl-L-leucyl-L-cysteinyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-arginyl- (9CI) (CA INDEX NAME)  
  
 Absolute stereochemistry.

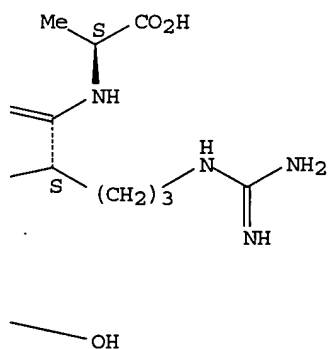
PAGE 1-A



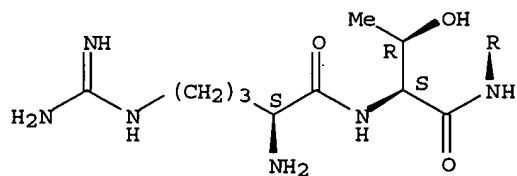
PAGE 1-B



PAGE 1-C



PAGE 2-A



=> d his

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E CRUZ A/AU  
L2 334 E3-36  
E CRUZ ANTONIO/AU  
L3 47 E3-11

FILE 'REGISTRY' ENTERED AT 09:44:51 ON 01 NOV 2006

FILE 'HCAPLUS' ENTERED AT 09:44:51 ON 01 NOV 2006

L4 TRA L1 1- RN : 84 TERMS

FILE 'REGISTRY' ENTERED AT 09:44:52 ON 01 NOV 2006

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L6 STR  
L7 0 L6  
L8 3 L6 FULL  
L9 0 L8 AND L5  
L10 27 L5 AND SQL>=7  
SAV TEM L8 GAR082F0/A

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L11 2 L8

FILE 'HCAOLD' ENTERED AT 10:07:34 ON 01 NOV 2006

L12 0 L8

FILE 'USPATFULL, USPAT2' ENTERED AT 10:07:42 ON 01 NOV 2006

L13 4 L8

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